



TECH CENTER 1600/2900

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RECEIVED

SEQUENCE LISTING

<110> Inoue, Yasushi
Fushimi, Naoya
Mizubuchi, Hiroyuki
Yamamoto, Yoshie
Ohshima, Yoshie
Yasutake, Nozomu
Miyoshi, Shinsuke

<120> Promoters

<130> 3274-011309

<140> 09/936,145

<141> 2001-09-07

<150> PCT/JP00/01415

<151> 2000-03-08

<150> US11/060904

<151> 1999-03-08

<150> US11/286034

<151> 1999-10-06

<160> 22

<170> Microsoft Word 97 SR-2

<210> 1

<211> 249

<212> DNA

<213> Bacillus amyloliquefaciens

<400> 1

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| ctgaagaagt | ggatcgattg | tttgagaaaa | gaagaagacc | ataaaaaatac | cttgtctgtc | 120 |
| atcagacagg | gtatttttta | tgctgtccag | actgtccgct | gtgtaaaaaa | taggaataaa | 180 |
| gggggggttg | tattatttta | ctgatatgta | aaatataatt | tgtataagaa | aatgagaggg | 240 |
| agaggatcc | | | | | | 249 |

<210> 2

<211> 270

<212> DNA

<213> Bacillus amyloliquefaciens

<400> 2

| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|-----|
| gccccgcaca | tacgaaaaga | ctggctgaaa | acattgagcc | tttgatgact | gatgatttgg | 60 |
| ctgaagaagt | ggatcgattg | tttgagaaaa | gaagaagacc | ataaaaaatac | cttgtctgtc | 120 |
| atcagacagg | gtatttttta | tgctgtccag | actgtccgct | gtgtaaaaaa | taggaataaa | 180 |
| gggggggttg | tattatttta | ctgatatgta | aaatataatt | tgtataagaa | aatgagaggg | 240 |
| agaggatcc | ccgggtaccga | gctcgaattc | | | | 270 |

<210> 3

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 3
 cgctctagag ccccgcacat acgaaaaga 29

 <210> 4
 <211> 35
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Example of a primer
 for introducing a restriction site

 <400> 4
 cgcgattcg gacacctcc ctctcatttt cttat 35

 <210> 5
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Example of a primer
 for introducing a restriction site

 <400> 5
 cgcgattcg agctcggtac ccgggatcc tctccctctc attttcttat 50

 <210> 6
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 6
 cgcgatcca tgtattacaa caggttggt 29

 <210> 7
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 7
 cgcgattct cacacatact ccttcgtat 29

 <210> 8
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 8
 cgcgatcca tgtcttggtc aattagctc 29

<210> 9
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 9
 aaagaattct taatcaacac gcccgttat 29

 <210> 10
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 10
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 <210> 11
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 11
 atgtattaca acaggttggt 20

 <210> 12
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 12
 atgtcttggt caattagctc 20

 <210> 13
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 13
 cgcgaattca tgtattacaa caggttggt 29

 <210> 14
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>

B'
 cont.

<223> Description of Artificial Sequence: Primer

<400> 14

cgcgaattca tgtcttggtc aattagctc

29

<210> 15

<211> 1581

<212> DNA

<213> Agrobacterium radiobacter M36

<220>

<221> Promoter

<222> 314..316

<220>

<221> Terminator

<222> 1559..1561

<220>

<221> Gene

<222> 341..1558

<223> MIase structural gene

<400> 15

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cacgggcaca ctctcattt cgatttgcaa gatcgcaagt cgtcaagtca cataaagata 180
tgtttatgtc aatatatctt caagggacag gcatggcttt gcgtcggttc gtcacgttac 240
gaaatatcgc tgacagatga caggtttata cggcaaggat ataagccgaa gcagcaaacg 300
catggaggac gcaatgcccg aagacgatca caacagccgc aactggaata ccctgccctg 360
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cgatcccgtg cgcggcatcc atgcctctgc gcgcattgtg cattgcttct ccatcgccca 540
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ggacgccacc aagcaggggtt atggccacgc ctctcgtgctt ctggccgcct cttccgccaa 720
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ctatgaggtg accggcgaca ataactatct cagcaaggcc gaacgcacgc ccgatctcgt 960
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gacgctggac aaggactatc gcggcaacga aatgttccgc ccctccggct ccacccccgg 1080
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cttcacgcac catgccaatg gcggctggca tgaggaactg acggaagatc tggttcccgc 1440
ccacacgcta ttcccaggca agggcgatat ctaccatgcg ctccaggcct gcctcatccc 1500
gcttttcccg gcgacgggca gcctgacgaa ggtgatcaag gaaagcggcg gggattatta 1560
aggcgctctg cggccaatag c 1581

<210> 16

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 16

gcattctcgag catatgcgga tctctctccct ctcatctttc

39

<210> 17

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 17

gcattctcgag ggtaataaaaa aaacacctcc a

31

<210> 18

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 18

gcattgaattc aaagcagcga tcccgatgaa

30

<210> 19

<211> 283

<212> DNA

<213> Bacillus amyloliquefaciens

<400> 19

ctcgagggtg ataaaaaac acctccaagc tgagtgcggg tatcagcttg gaggtgcggt 60
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tcataggtga caaatccggg ttttgccg tttggctttt tcacatgtct gatttttgta 180
taatcaacag gcacggagcc ggaatctttc gccttgga aataagcggc gatcgtagct 240
gcttccaata tggattgttc atcgggatcg ctgctttgaa ttc 283

<210> 20

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 20

gcattcatatg cccgaagacg atcacaac

28

<210> 21

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 21

gcattctcgag ttaataatcc ccgccgcttt c

31

<210> 22

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 22

atgcccgaag acgatcaca c

21

b'
cvel.